## Claims

## WE CLAIM:

1. A method of embedding a circuit, comprising the steps of:

providing a first layer of dielectric material;

providing a circuit having a predetermined length, width, and depth;

forming a cavity in the first layer of dielectric material substantially

corresponding to the predetermined length and width of the circuit; and

depositing the circuit into the cavity.

- 2. The method of claim 1, wherein the step of providing the first layer of dielectric material comprises forming a layer of dielectric material at least as thick as the depth of the circuit.
  - 3. The method of claim 1, further comprising the steps of:

providing a carrier and

wherein said step of providing a first layer of dielectric material comprises depositing the dielectric material on the carrier.

- 4. The method of claim 3, wherein said carrier is glass.
- 5. The method of claim 1, wherein the dielectric material is a photosensitive epoxy.
  - 6. A method of embedding a circuit, comprising the steps of:

providing a carrier;

providing a first layer of dielectric material;

providing a circuit having a predetermined length, width, and depth;

providing a second layer of dielectric material;

forming a cavity in the second layer of dielectric material corresponding to the predetermined length and width of the circuit;

depositing the circuit into the cavity; and providing a third layer of dielectric material.

7. The method of claim 6, wherein the circuit has one or more connection points and further comprising the steps of:

forming via openings in the third layer at positions substantially corresponding to each of the connection points of the circuit; and providing conductive material in the via openings.

- 8. The method of claim 6, wherein the step of providing a second layer of dielectric material comprises providing a plurality of sub-layers of dielectric material.
- 9. The method of claim 8, wherein the step of providing a plurality of second layers of dielectric material comprises:

providing a first sub-layer of dielectric material;

forming a first cavity in the first sub-layer of dielectric material substantially corresponding to the predetermined length and width of the circuit;

forming one or more via openings in the first dielectric sub-layer;

providing conductive material in the via openings of the first sub-layer of dielectric material;

providing a second sub-layer of dielectric material;

forming a second cavity in the second sub-layer of dielectric material substantially corresponding to the predetermined length and width of the circuit and in a position substantially corresponding to the first cavity formed in the first sub-layer of dielectric material;

forming one or more via openings in the second dielectric sub-layer; and providing conductive material in the via openings of the second sub-layer of dielectric material.

10. The method of claim 9, further comprising the steps of: providing a sacrificial material in the first cavity; providing a sacrificial material in the second cavity; and removing the sacrificial material from the first and second cavity.

11. An embedded circuit module comprising:

a first layer of dielectric material;

a circuit having a predetermined length, width, and depth;

a cavity in the first layer of dielectric material substantially

corresponding to the predetermined length and width of the circuit; and

wherein the circuit is embedded in the cavity.

- 12. The module of claim 11, wherein the first layer of dielectric material is at least as thick as the depth of the circuit.
- 13. The module of claim 11, wherein the dielectric material is a photosensitive epoxy.
  - 14. An embedded circuit module, comprising:
    - a first layer of dielectric material;
    - a circuit having a predetermined length, width, and depth;
- a second layer of dielectric material deposited upon the first layer of dielectric material;

a cavity in the second layer of dielectric material substantially corresponding to the predetermined length and width of the circuit;

a third layer of dielectric material deposited upon the second layer of dielectric material; and

wherein the circuit is embedded in the cavity in the second layer of dielectric material.